

## **ATTACHMENT A – SALISBURY PLAIN RIVER SITE VISIT MEMO**

To: File, Brockton WWTP, NPDES No. MA0101010

From: David Pincumbe, Team Leader Massachusetts Municipal Permits

Date: July 11, 2016

Re: Salisbury Plain River Site Visit

Michael Cobb and I did a site visit to the Salisbury Plain River on 7/7/16 to make visual observations upstream and downstream of the Brockton discharge. We accessed the river in the vicinity of the discharge through the trailer park located on the opposite side of the river as the discharge.

The owner of the trailer park (Ed Medeiros) discussed in detail with us the flooding issues he has had on his property over many years and his belief that the treatment facility bypasses treatment during some high flow events and forces so much flow through the outfall that it floods his property. He further indicated that when this happens there is evidence of untreated sewage in the flood waters, including fecal material and toilet paper. At significant expense, he has had to construct a berm around his property to prevent flooding.

I indicated that we would pursue the potential that the facility could be bypassing but that what he is seeing (high water levels and untreated sewage) could also be from the municipal storm water system servicing the center of Brockton that is immediately upstream of the WWTP outfall. I will follow up with Todd Borci to see if he has any information on illicit connections to the separate sewer system.

At the point of discharge, the flow significantly overwhelms the small receiving water and causes an obvious eddy flow of wastewater moving upstream. The receiving water has a distinctive gray color immediately downstream of the discharge that persists for several hundred feet. Extensive macrophyte, filamentous algae, and Duck Weed is readily apparent downstream of the discharge, with significant macrophyte growth extending all the way to the beginning of the Taunton River. Upstream of the discharge (Sargent's Way Road), the river is not gray colored and there is minimal macrophyte growth.

The following are pictures taken during this site visit with brief descriptions of the location and observed characteristics of the receiving water:

## ATTACHMENT A – SALISBURY PLAIN RIVER SITE VISIT MEMO

#19 – approximately 100 feet downstream of the discharge - gray color and extensive macrophyte growth.



#24 – approximately 250 feet downstream of the discharge - gray color and extensive macrophyte growth.



## ATTACHMENT A – SALISBURY PLAIN RIVER SITE VISIT MEMO

#30 – approximately 300 feet downstream of the discharge - gray color and macrophyte growth on every available surface.





## ATTACHMENT A – SALISBURY PLAIN RIVER SITE VISIT MEMO

#35 – approximately 500 feet downstream of the discharge - gray color, extensive macrophyte growth, Duck Weed and trash.





## ATTACHMENT A – SALISBURY PLAIN RIVER SITE VISIT MEMO

#37 – upstream of the discharge (Sargent's Way Road) – normal color, minimal macrophyte growth and no Duck Weed.



#42 – approximately 2.5 miles downstream of the discharge (North Central Street) - extensive macrophyte growth.



## ATTACHMENT A – SALISBURY PLAIN RIVER SITE VISIT MEMO

#48 – just below where the Town River and the Matfield River form the Taunton River (Rte. 104 bridge)  
- gray color no longer apparent but macrophyte growth still significant, although less than at sites further upstream.

